

Amendments to the Abstract

The abstract has been amended to better set forth the nature and gist of the invention. No new matter has been amended by way of these amendments and the abstract will replace all prior versions in the application:

ABSTRACT

An apparatus for investigating the wall of a borehole in a geological formation, ~~the apparatus comprising:—a pad having an inside face and an outside face for pressing against the wall of the borehole;—a set of measurement electrodes mounted on the outside face of the pad and means for measuring the potential difference between two measurement electrodes;—both and a source electrode adapted to inject current into the formation and a return electrode, the set of measurement electrodes being situated between the source electrode and the return electrode.~~ The pad further comprises having shielding means which are arranged between ~~the~~ a source electrode and ~~the~~ a set of measurement electrodes and between the measurement electrodes and ~~the~~ a return electrode[, said]. The shielding means being flush with or almost flush with the outside face of the pad and extending along the length of the outside face of the pad so that the electric field generated by the current and return electrodes is substantially eliminated in the pad and in the vicinity of the measurement electrodes.